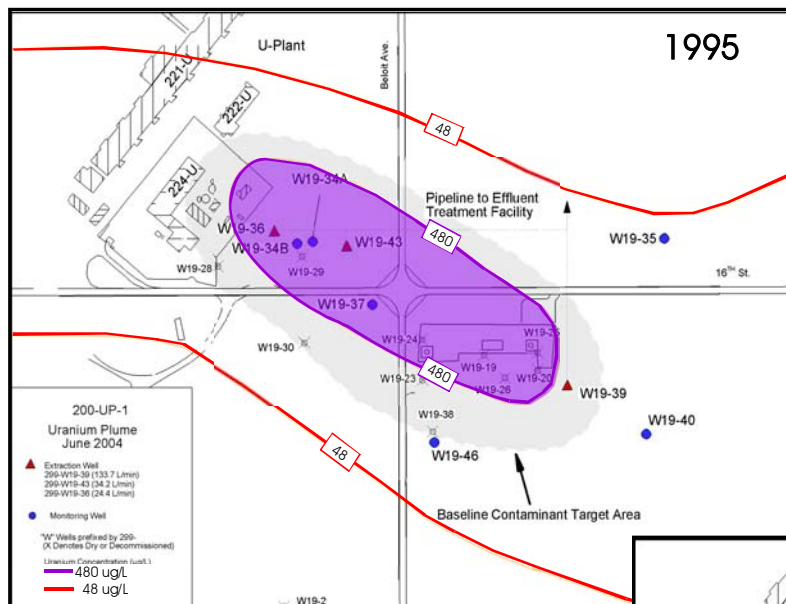
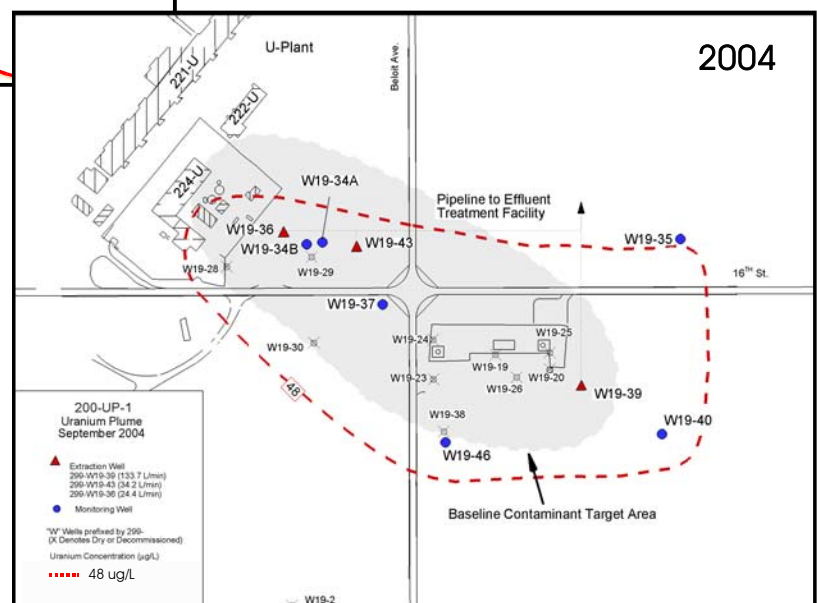


Soil and Water Remediation, Groundwater/Vadose Zone (RL-0030)

R. T. Wilde, Vice President of Solid and
Waste Water Remediation/Groundwater
Vadose Zone & Waste Sampling and
Characterization Facility/(509) 372-8123



*Removing the Heart of
the Uranium Plume*



Overview

This section addresses work in Project Baseline Summary RL-0030, *Soil and Waste Remediation Groundwater/Vadose Zone*.

NOTE: Unless otherwise noted, all information contained herein is as of the end of January 2005.

Notable Accomplishments

TPA M-24-57: Five of 15 Calendar Year 2005 TPA milestone M-24-57 wells have been completed. Three additional TPA wells are in various stages of well drilling .

Well Decommissioning: The well decommissioning contractor is continuing cleanout of well 699-37-82A. Five ABS piezometers were unexpectedly found in the lower part of the well and their removal has slowed cleanout progress. Completion of cleanout is expected in the next few days. Cleanout of well 299-E17-6 (south of PUREX) has been completed. The contractor anticipates using these two wells for the initial jet-shot perforations.

100 KR-4: The Environmental Protection Agency (EPA) transmitted its approval of the *Treatability Test Plan for Fixation of Chromium in the Groundwater at 100-K*, DOE/RL-2005-05 on December 28, 2004. The plan is to install a 5-well system to evaluate the fixation of chromium using a chemical reductant (calcium polysulfite).

200-UP-1: A significant event occurred when the 200-UP-1 active pump and treat system was shut down on January 26, 2005. The system will be evaluated for one year to understand if the contaminants of concern (uranium and Technetium-99) remain below remedial action objective levels.

FY 2005 Funds vs. Spend Forecast (\$M)

	Projected FY 2005 Funding	FY 2005 Fiscal Year Spend Forecast	Variance
Soil & Water Remediation, Groundwater/Vadose Zone	\$ 61.3	\$ 62.8	\$ -1.5

FY 2005 Schedule/Cost Performance (\$M)

	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
Soil & Water Remediation, Groundwater/ Vadose Zone	\$15.4	\$12.7	\$13.3	-\$2.7	-17.6%	-\$0.6	-4.9%	\$55.3

Numbers are rounded to the nearest \$0.1M and include the closure services allocation.

Schedule Performance (-\$2.7M/-17.6%). The unfavorable schedule variance is due to:

- Delayed award of the jet-shot contract due to extensive security issues, nuclear hazard categorization analysis, and implementation of the FH safety plan requirements;
- Increased samples and analysis for 100-KR-4 combined with delayed finalization of the 100D Area chromium plume remediation treatability test plan.

The schedule associated with well decommissioning will be recovered.

FY 2005 Schedule/Cost Performance, continued

Cost Performance (-\$0.6M/-4.9%). The unfavorable cost variance is due to:

- Increased costs for the Apatite Study; Data Quality Objectives, and sample costs;
- Increased labor costs associated with new staff in the Integrated Field Work areas.

Performance Analysis FYTD and Monthly (\$M)

